

Daily Drilling Report

WELL NAME ELVER-1				DATE 04-01-2009	
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API # OH		24 HRS PROG 251.00 (m)		TMD 3,744.00 (m)		TVD 2,835.68 (m)		REPT NO 18	
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RIG NAME NO OCEAN PATRIOT		FIELD NAME ELVER		AUTH TMD		PLANNED DOW 36.40 (days)		DOL 17.79 (days)		DFS / KO 15.27 (days)		WATER DEPTH 504.90 (m)	
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SPUD DATE 21-12-2008		Rig Release		WELL SUPERVISOR PAT BROWN / DAVID SYMINGTON				OIM DENNIS GORE				PBTMD	
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REGION AUSTRALIA				DISTRICT OFFSHORE				STATE / PROV VICTORIA				RIG PHONE NO (08) 9338 5640		RIG FAX NO	
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AFE # 09408EF5				AFE COSTS				DAILY COSTS				CUMULATIVE COSTS			
DESCRIPTION: Directional Exploration Well				DHC: 38,786,601				DHC: 970,785				DHC: 20,428,293			
				DCC:				DCC:				DCC:			
				CWC:				CWC:				CWC:			
				Others:				Others:				Others:			
				TOTAL: 38,786,601				TOTAL: 970,785				TOTAL: 20,428,293			

DEFAULT DATUM / ELEVATION WELL / 21.50 (m)				LAST SAFETY MEETING 4/01/2009		BLOCK VIC-P59				FORMATION				BHA HRS OF SERVICE 49.00	
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LAST SURVEY						LAST CSG SHOE TEST (EMW)				LAST CASING				NEXT CASING			
MD		3,722.36 (m)		INC		47.98°		AZM		194.51°		1.60 (sg)		244.000 mm @ 3,243.9 m			

CURRENT OPERATIONS: Directionally drilling 216mm (8-1/2") hole at 3764m.

24 HR SUMMARY: Directionally drilled 216mm (8-1/2") hole from 3493m to 3744m. Ave ROP 10.5m/hr.

24 HR FORECAST: Directionally drill 216mm (8-1/2") hole.

OPERATION SUMMARY

From	To	HRS	Phase	Operation	PT/NPT	NPT CODES	ACTIVITY SUMMARY
0:00	12:00	12.00	P-DRL	DRLG	PP		Directionally drilled 216mm (8-1/2") hole from 3493m to 3652m. Ave ROP 13.3m/hr. Drilling Parameters: WOB: 13.6 - 18.1MT (30 - 40klbs). RPM: 200. TQ (ON): 25.8 - 28.5kN.m (19 - 21kft.lbs). TQ (OFF): 28.5 - 33.9kN.m (21 - 25kft.lbs). FLOW: 2.57m³/min (680gpm). SPP: 30,200kPa (4380psi) String Weights: UP: 172MT (380klbs). DOWN: 109MT (240klbs). ROTATING: 134MT (295klbs).
12:00	0:00	12.00	P-DRL	DRLG	PP		Directionally drilled 216mm (8-1/2") hole from 3652m to 3744m. Ave ROP 7.6m/hr. Drilling Parameters: WOB: 2.3 - 18.1MT (5 - 40klbs). RPM: 140 - 200. TQ (ON): 25.8 - 37.9kN.m (19 - 28kft.lbs). TQ (OFF): 28.5 - 33.9kN.m (21 - 25kft.lbs). FLOW: 2.38 - 2.54m³/min (630 - 670gpm). SPP: 30,200kPa (4380psi) String Weights: UP: 191MT (420klbs). DOWN: 118MT (260klbs). ROTATING: 143MT (315klbs). Encountered drilling break to 45m/hr while drilling at 3740m. Loss of 2,758kPa (400psi) SPP and gain of 3spm - 0.05m³/min (13gpm) associated with drilling break. Flow checked same - well static.

24.00 = Total Hours Today

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06:00 UPDATE

0000-0600 Directionally drilled 216mm (8-1/2") hole from 3744m to 3764m. Ave ROP 3.3m/hr.

Drilling Parameters:
 WOB: 2.3 - 24.9MT (5 - 55klbs). RPM: 80 - 210.
 TQ (ON): 25.8 - 37.9kN.m (19 - 28kft.lbs).
 TQ (OFF): 28.5 - 33.9kN.m (21 - 25kft.lbs).
 FLOW: 2.38 - 2.54m³/min (630 - 670gpm). SPP: 30,200kPa (4380psi)
 String Weights:
 UP: 191MT (420klbs). DOWN: 118MT (260klbs).
 ROTATING: 143MT (315klbs).

HSE: No accidents, incidents or pollution reported.
 Total Stop cards - 69 (26 unsafe, 43 safe). JSA - 27, PTW - 13.

BIT DATA

BIT / RUN	SIZE (mm)	MANUFACTURER	TYPE	SERIAL NO	JETS OR TFA	DEPTH IN / DATE IN	I-O-D-L-B-G-O-R
4RR / 2	216.0	SMITH	Mi716VWEBP X	JY7487	7x13	3,253.00 / 02-01-2009	-----

BIT OPERATIONS

BIT / RUN	WOB	RPM	FLOW	PRESS	P BIT	HRS	24 Hr PROG	24 HR ROP	CUM HRS	CUM PROG	CUM ROP
4RR/2	20/13	150/210	2,602.40	30,200	3499	22.00	362.00	16.5	23.50	365.00	15.5

LCM: 0 MUD PROPERTIES MUD TYPE: KCL/POLYMER

VIS (s/l)	PV/YP (cp) / (Pa)	GELS (Pa)	WL/HHP (ml/30 min)	FC/T.SOL (mm) / (%)	OIL/WAT (%)	% SAND/MBT (%) / (sg)	pH/Pm (mL)	Pf/Mf (mL)	Cl (ppm)	Ca (ppm)	H2S (%)	KCL (ppm)	LGS (%)
61	18/24	5/9	5/0	1/9	0/0	0/4	10.00/0.00	1.40/3.20	56,000	360	0	0	4
Density (sg)	1.14	ECD (sg)	0.00	PP	DAILY COST	8265	CUM COST	448,908	%OIL	3			

BHA 5 JAR S/N 17605011 BHA / HOLE CONDITIONS JAR HRS 49.00 BIT 4RR

BHA WT BELOW JARS	STRING WT UP	STRING WT DN	STRING WT ROT	TORQUE/UNITS	BHA LENGTH
14 (tonne)	172 (tonne)	109 (tonne)	134 (tonne)	28 (kN-m)	346.62 (m)

ITEM DESCRIPTION	NO JTS	LENGTH	O.D	I.D	CONN SIZE	CONN TYPE
Heavy Weight Drill Pipe	26	242.35	127.00	79.38		
Hydraulic Jar	1	9.92	165.10	69.85		
Heavy Weight Drill Pipe	3	28.16	127.00	79.38		
Drill Collar	3	28.22	171.45	69.85		
Integral Blade Stabilizer	1	1.78	212.73	76.20		
Logging While Drilling	1	8.11	190.50	92.08		
Logging While Drilling	1	3.56	212.85	82.55		
Logging While Drilling	1	8.48	175.01	82.55		
Logging While Drilling	1	8.04	209.55	76.20		
Steering Tool	1	7.66	212.73	76.20		7 5/8 REG
Polycrystalline Diamond Bit	1	0.34	216.00	76.20		

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SURVEY

TYPE	MD (m)	DEG (°)	AZI (°)	TVD (m)	+N/-S (m)	+E/-W (m)	V.SECT (m)	D.L (°/30m)
NORMAL	3,493.07	46.84	196.75	2,665.23	-1,895.13	-370.57	1,931.02	1.36
NORMAL	3,520.17	47.22	193.13	2,683.70	-1,914.29	-375.68	1,950.80	2.96
NORMAL	3,578.15	47.03	188.88	2,723.16	-1,955.98	-383.79	1,993.27	1.61
NORMAL	3,634.59	46.98	189.58	2,761.65	-1,996.72	-390.41	2,034.53	0.27
NORMAL	3,665.11	46.94	192.21	2,782.48	-2,018.62	-394.63	2,056.83	1.89
NORMAL	3,722.36	47.98	194.51	2,821.19	-2,059.66	-404.38	2,098.97	1.04

CASING

S/T	DESCRIPTION	SIZE	WEIGHT	GRADE	SETTING DEPTH
OH	SURFACE	340.00	178.58	X 56	1,735.93
OH	CONDUCTOR	762.00		X 56	573.00
OH	INTERMEDIATE 1	244.00	69.94	L-80	3,243.90

MUD PUMPS/HYDRAULICS

SPR

	STROKE	SPM	LINER	FLOW	SPP: 30,200 (kPa)		SPM	PPSR
# 1	304.80	50	152.40	817	HP: 0.414 (kW/cm ²)	PUMPS # 2	50/30/50/40	30,200/2,896/5,240/4,206
# 2	304.80	50	152.40	817				
# 3	304.80	61	152.40	997				

PERSONNEL DATA

COMPANY	QTY	HRS	COMPANY	QTY	HRS
DODI	60		WEST ENGINEERING	2	
KEMTECH	2		BHI	6	
ANADRILL	5		BRANDT	1	
DOWELL	2		BJ TRS	1	
SUBSEA 7	3		APACHE	5	

TOTAL PERSONNEL ON BOARD: 87

SUPPORT CRAFT

TYPE	REMARKS
FAR SKY	Enroute to Rig.
SWISSCO 168	On Location.
YARABAH	On Location.
FAR GRIP	Enroute to Geelong.

MATERIALS/CONSUMPTION

ITEM	UNITS	USAGE	ON HAND	ITEM	UNITS	USAGE	ON HAND
BARITE BULK	MT		100	BENTONITE	MT		26
CEMENT	MT		16	DIESEL	m3		287
WATER, POTABLE	m3	27	313	WATER, DRILLING	m3	36	565

WEATHER

TIME	SWELL HT/DIR/PER	WAVE HT/DIR/PER	WIND SPEED/DIR	GUST SPEED/DIR	TEMP
00:00	/ /170.00/3	1.00/180.00/10	/	9.3/170.00	

DECKLOG

MAX VDL	ACT VDL	AVG VDL	LEG PEN (BOW)	LEG PEN (PORT)	LEG PEN (S BOARD)
2560	1912	1912			

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SAFETY DRILLS

RAMS (kPa)	ANNULARS (kPa)	CASING	LAST BOP DRILL	NEXT BOP PRESS TEST	FIRE DRILL	H2S DRILL	MAN OVERBRD	ABND. DRILL
28-12-2008 / 34,475	28-12-2008 / 34,475	27-12-2008 / 17,237	22-12-2008	05-01-2009	28-12-2008			28-12-2008

INCIDENT REPORT

INCIDENTS TYPE NONE LOST TIME? NO INCIDENTS DESCRIPTION

ANCHOR TENSION DATA

ANCHOR NO	CURRENT TENSION	ANCHOR NO	CURRENT TENSION	ANCHOR NO	CURRENT TENSION
1	177	2	179	3	175
4	161	5	182	6	187
7	203	8	192	9	
10		11		12	

MUD INVENTORY

ITEM	UNIT	USAGE	Day Cost (\$)	ON HAND
FLOWZAN	25.00 kg	8.00	2,178.64	186.00
SODIUM BICARBONATE - NaHCO3	25.00 kg	5.00	89.30	41.00
GUAR GUM	25.00 kg		0.00	0.00
KWIKSEAL (M)	40.00 lbs		0.00	108.00
CALCIUM CHLORIDE 74-77%	25.00 kg		0.00	69.00
NUT PLUG	50.00 lbs		0.00	14.00
CAUSTIC SODA - NaOH	25.00 kg		0.00	17.00
SAFE-CIDE	25.00 l	1.00	100.69	14.00
KLA STOP	55.00 gal		0.00	16.00
SODA ASH- SOD.CARBONATE-Na2CO3	25.00 kg		0.00	10.00
CIRCAL Y	25.00 kg		0.00	96.00
POLYSAI	25.00 kg		0.00	74.00
SOLTEX	50.00 lbs	22.00	1,950.74	300.00
STAR GLIDE	55.00 gal		0.00	0.00
SAPP	25.00 kg		0.00	35.00
DEFOAM A	5.00 gal		0.00	13.00
CITRIC ACID	25.00 kg	2.00	88.50	88.00
CIRCAL 60/16	25.00 kg	24.00	424.56	264.00
STAR GLIDE	208.00 l		0.00	32.00
OMYACARB 10	25.00 kg		0.00	0.00
KCL (1.0 MT)	1.00 MT		0.00	8.00
LIME	25.00 kg		0.00	0.00
KCL BRINE (1.15SG)	1.00 bbl		0.00	0.00
DRISPAC SL	50.00 lbs	26.00	3,176.94	185.00
POLYPLUS	25.00 kg	3.00	255.72	5.00
BARITE (bulk)	1.00 MT		0.00	100.00
CIRCAL 1000	25.00 kg		0.00	96.00
BENTONITE	1.00 MT		0.00	24.00
KWIKSEAL (F)	40.00 lbs		0.00	72.00